

Missouri Department of Natural Resources

Total Maximum Daily Load Information Sheet

East Fork Little Blue River

Waterbody Segment at a Glance:

County: Jackson
Nearby Cities: Kansas City
Length of impairment: 0.2 miles
Pollutant: none
Source: N/A

Note: This segment has been deleted from the 2002 303(d) List.

TMDL Priority Ranking: N/A



State map showing location of watershed

Beneficial uses of East Fork Little Blue River

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life
- Protection of Human Health associated with Fish Consumption

Use that is impaired

- Protection of Warm Water Aquatic Life

Standards that apply

- Standards for Volatile Suspended Solids (VSS) is found in the general criteria section of the WQS, 10 CSR 20-7.031(3)(A) and (C) where it states:
 - Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses
 - Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses

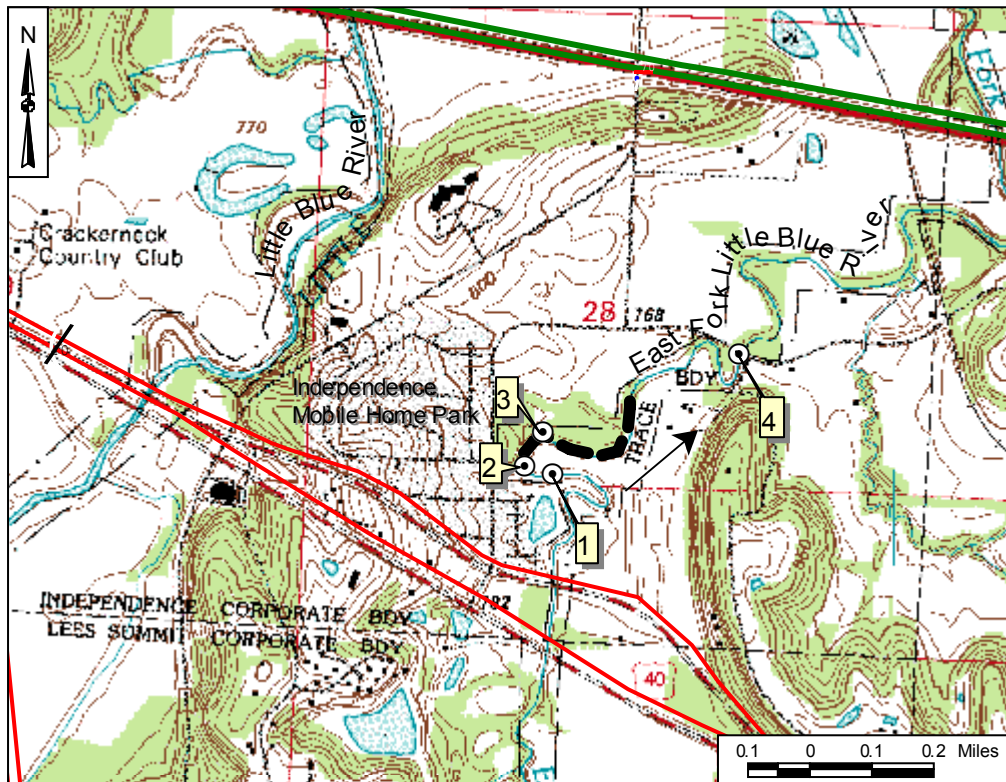
Background Information and Water Quality Data

Any waterbody that was listed for Non-Filterable Residue (NFR) in 1998 is now being listed as Volatile Suspended Solids (VSS). VSS are organic solids coming from wastewater treatment plants. The new listing gives a clearer picture of the specific pollutants affecting the water.

Sewage sludge is present on the bottom of East Fork Little Blue River downstream from the Independence Mobile Home Park wastewater treatment plant (WWTP). Also, fewer types of

aquatic invertebrates (water insects and crayfish) occur there than in the past. This is important because this limits the habitat available for fish and other organisms that feed upon them. VSS can settle onto the bottom of a stream smothering natural substrates (materials in the streambed), aquatic invertebrate animals and fish eggs. The department has ordered the elimination of this wastewater treatment facility and connection to Little Blue Valley Sewer District (LBVSD). The Attorney General's Office and the owner of the mobile home park are presently in litigation over the issue of connection to LBVSD sewers.

East Fork Little Blue River in Jackson County, Missouri, Showing Sampling Sites



----- Impaired Segment —————> Direction of flow

Site Index

- 1 – Upstream from effluent outfall
- 2 – Effluent outfall
- 3 – 80 yards downstream of outfall
- 4 – 0.4 mile downstream of outfall

Results of Stream Survey – September 8, 1999

Site #	Flow (cfs)	Specific Conductivity (umhos/cm)	Physical and Biological Observations
1	0.15	512	Clear water, gravel and cobble substrate, minnows and heptageniid mayflies present.
2	0.05		No comments made.
3	0.2	580	Thick sludge deposits throughout streambed, minnows, physa snails, and bloodworms present.
4	0.2	525	No evidence of sludge. Heptageniid mayflies present.

Source: Missouri Department of Natural Resources

Note: Heptageniid mayflies are "ecological indicators" of good water quality and are an important source of food for fish and other aquatic wildlife. Physa snails and bloodworms are capable of surviving in a more highly polluted environment.

For more information call or write:

Missouri Department of Natural Resources

Water Protection Program

P.O. Box 176, Jefferson City, MO 65102-0176

1-800-361-4827 or (573) 751-1300 office

(573) 522-9920 fax

Program Home Page: www.dnr.mo.gov/env/wpp/index.html